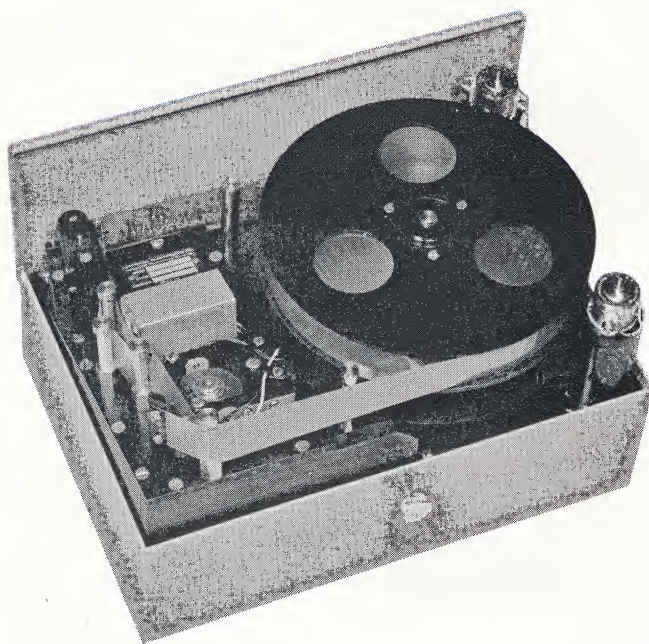


**LOW POWER**  
0.9 WATTS

**COMPACT**  
8 5/8" x 6" x 6 3/4"

**LONG RECORD TIME**  
20 HOURS



## **MODEL 463**

### **BALLOON FLIGHT TAPE RECORDER**



The Model 463 although specifically designed for use in balloon borne vehicles studying upper atmosphere environments, is also ideally suited to those applications requiring long recording times with a minimum of power consumption. Utilizing coaxial reels, modular bearing assemblies, sophisticated phase-lock servo system and special low-power motor drive, the Model 463 can record 16 tracks of digital data for 20 hours while consuming a total of only 18 watt-hours of power.

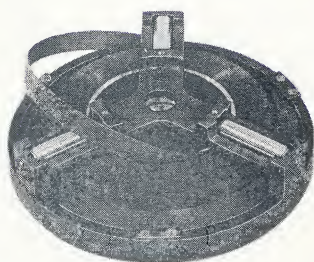


The Model 463 is typical of the special purpose recorders available with the use of modular recorder components.

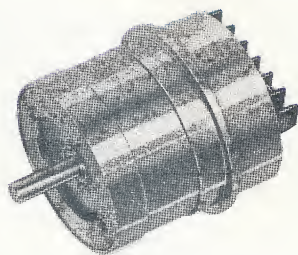
Should you require low weight, low power compact recorders for undersea, shipboard, airborne or space applications, contact Lockheed for prompt reliable information.

## TYPICAL MODULES

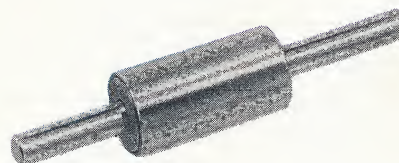
FOR SPECIAL PURPOSE RECORDERS



CARTRIDGE



MOTOR



BEARING

## SPECIFICATIONS

Tape Width	0.75 in.
Tape Length	1000 ft.
Tape Speed	0.16 ips
Record Time	20 hours
Power Consumption	0.9 watts
Operating Voltage	12 V
Weight	4 pounds
Number of Tracks	16
Track Width	0.025"
Track Spacing	0.047" center/center
Gap Scatter	$\pm 0.00005''$
Record Current	2 to 4 ma